CLAIMS

1. A compound of formula

$$(R^{1})_{m} \xrightarrow{X-Y} (CH_{2})_{q} \xrightarrow{R^{4}} R^{6}$$

$$(R^{2})_{n} \xrightarrow{R^{5}} R^{8}$$

$$(R^{2})_{n} \xrightarrow{(R^{2})_{q}} (R^{2})_{n}$$

$$(R^{3})_{m} \xrightarrow{(R^{2})_{q}} (R^{2})_{n}$$

wherein

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m is 0, 1, 2, 3 or 4;

each R^1 independently represents halogen, cyano, hydroxyl, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl, C_1 - C_6 alkoxy or sulphonamido;

either X represents a bond, $-CH_2$ -, -O- or -C(O)- and Y represents a bond, $-CH_2$ -, -O- or -C(O)-, or X and Y together represent a group $-CH=C(CH_3)$ - or $-C(CH_3)=CH$ -, and Z represents a bond, -O-, -NH- or $-CH_2$ -, provided that only one of X, Y and Z can represent a bond at any one time and provided that X and Y do not both simultaneously represent -O- or -C(O)-;

n is 0, 1 or 2;

each R² independently represents halogen or C₁-C₆ alkyl;

q is 0 or 1;

R³ represents -NHC(O)R¹⁰, -C(O)NR¹¹R¹² or -COOR^{12a};

 R^4 , R^5 , R^6 , R^7 and R^8 each independently represent a hydrogen atom or a C_1 - C_6 alkyl

20 group;

t is 0, 1 or 2;

each R^9 independently represents halogen, cyano, hydroxyl, carboxyl, C_1 - C_6 alkoxy, C_1 - C_6 alkoxycarbonyl, C_1 - C_6 haloalkyl, or C_1 - C_6 alkoxycarbonyl; substituted by at least one substituent selected from carboxyl and C_1 - C_6 alkoxycarbonyl;

R¹⁰ represents a group C₁-C₆ alkyl, C₂-C₆ alkenyl, C₃-C₆ cycloalkyl, adamantyl, C₅-C₆ cycloalkenyl, phenyl or a saturated or unsaturated 5- to 10-membered heterocyclic ring system comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur, each of which may be optionally substituted by one or more substituents independently selected from nitro, hydroxyl, oxo, halogen, carboxyl, C₁-C₆ alkyl, C₁-C₆ alkoxy, C₁-C₆ alkylthio, C₁-C₆ alkylcarbonyl, C₁-C₆ alkoxycarbonyl, phenyl and -NHC(O)-R¹³, or

-NHC(O)- R^{13} , or R¹⁰ represents a group –NR¹⁴R¹⁵ or –O-R¹⁶: R¹¹ and R¹² each independently represent (i) a hydrogen atom, (ii) a 3- to 6membered saturated or unsaturated ring optionally comprising at least one ring heteroatom 10 selected from nitrogen, oxygen and sulphur and optionally further comprising a bridging group, the ring being optionally substituted with at least one substituent selected from halogen, hydroxyl, C₁-C₆ alkyl, C₁-C₆ hydroxyalkyl and C₁-C₆ haloalkyl, (iii) a C₁-C₆ alkyl group optionally substituted by at least one substituent selected from halogen, amino, hydroxyl, C₁-C₆ haloalkyl, carboxyl, C₁-C₆ alkoxy, 15 C₁-C₆ alkoxycarbonyl, C₁-C₆ alkylcarbonylamino and a 3- to 6-membered saturated or unsaturated ring optionally comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur and optionally further comprising a bridging group, the ring being optionally substituted with at least one substituent selected from halogen, hydroxyl, oxo, C_1 - C_6 alkyl, C_1 - C_6 hydroxyalkyl and C_1 - C_6 haloalkyl, or (iv) C_1 - C_6 alkylsulphonyl, 20 R^{11} and R^{12} together with the nitrogen atom to which they are attached form a 4- to 7membered saturated heterocyclic ring that optionally further comprises a ring nitrogen, oxygen or sulphur atom and that is optionally fused to a benzene ring to form a 8- to 11membered ring system, the heterocyclic ring or ring system being optionally substituted 25 with at least one substituent selected from halogen, hydroxyl, amido, C1-C6 alkyl, C₁-C₆ hydroxyalkyl, C₁-C₆ alkoxy, C₁-C₆ alkoxycarbonyl, C₁-C₆ haloalkyl, C₁-C₆ alkylamino, di-C₁-C₆ alkylamino, C₁-C₆ alkylcarbonyl, C₁-C₆ alkylcarbonylamino, C₁-C₆ alkylaminocarbonyl, di-C₁-C₆ alkylaminocarbonyl, phenyl, halophenyl, phenylcarbonyl, phenylcarbonyloxy and hydroxydiphenylmethyl; 30

R^{12a} represents a hydrogen atom or a C₁-C₆ alkyl group;

R¹³ represents a C₁-C₆ alkyl, amino or phenyl group;

R¹⁴ and R¹⁵ each independently represent a hydrogen atom, or a group C₁-C₆ alkyl, C₁-C₆ alkylsulphonyl, phenyl or a saturated or unsaturated 5- to 10-membered heterocyclic ring system comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur, each group being optionally substituted as defined above for R¹⁰, or

R¹⁴ and R¹⁵ together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring that optionally further comprises a ring nitrogen, oxygen or sulphur atom, the heterocyclic ring being optionally substituted by at least one hydroxyl; and

R¹⁶ represents a hydrogen atom, or a group C₁-C₆ alkyl, phenyl or a saturated or unsaturated 5- to 10-membered heterocyclic ring system comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur, each group being optionally substituted as defined above for R¹⁰;

or a pharmaceutically acceptable salt or solvate thereof.

2. A compound according to claim 1, wherein X and Y have the meanings shown in the following table:

X	Y
bond	0
0	bond
CH ₂	bond
bond	CH ₂

- 3. A compound according to claim 1 or claim 2, wherein Z represents -O- or -CH₂-.
 - 4. A compound according to any one of claims 1 to 3, wherein q is 1.

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- 5. A compound according to any one of claims 1 to 4, wherein R³ represents -NHC(O)R¹⁰ or -C(O)NR¹¹R¹².
- 6. A compound according to any one of claims 1 to 5, wherein t is 1 and R^9 is located in the *para* position with respect to R^3 .
 - 7. A compound according to claim 1 selected from:

2-({(2S)-3-[(5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl}oxy)-4-hydroxy-*N*-methylbenzamide,

 $N-2-(\{(2S)-3-[5-Chloro-3H-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl\}oxy)-4-fluorophenyl]acetamide,$

2-({(2S)-3-[(5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl}oxy)-*N*-methylbenzamide,

 $N-[2-({(2S)-3-[(5-Chloro-3H-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino}]-2-hydroxypropyl}oxy)-4-hydroxyphenyl]acetamide,$

N-[2-({(2S)-3-[(5-Chloro-3H-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxy-2-methylpropyl}oxy)-4-hydroxyphenyl]acetamide (trifluoro acetate), and pharmaceutically acceptable salts and solvates of any one thereof.

- 8. A process for the preparation of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as defined in claim 1 which comprises,
 - (a) reacting a compound of formula

wherein m, R¹, n, R², q, X, Y and Z are as defined in formula (I), with a compound of formula

wherein R³, R⁴, R⁵, R⁶, R⁷, R⁸, t and R⁹ are as defined in formula (I); or

(b) reacting a compound of formula

$$(R^{1})_{m}$$

$$X-Y$$

$$(CH_{2})_{q}$$

$$(R^{2})_{n}$$

$$(R^{2})_{n}$$

$$(IV)$$

wherein m, R¹, n, R², q, X, Y, Z, R⁴, R⁵, R⁶, R⁷ and R⁸ are as defined in formula (I), with a compound of formula

$$R^3$$
 $(R^9)_t$
 (V)

wherein R^3 , t and R^9 are as defined in formula (I), in the presence of a suitable base; or (c) when R^3 represents -NHC(O) R^{10} , reacting a compound of formula

$$(R^{1})_{m} \xrightarrow{X-Y} (CH_{2})_{q} \xrightarrow{R^{4}} HO \xrightarrow{R^{6}} (R^{9})_{t}$$

$$(R^{2})_{n} (VI)$$

wherein m, R^1 , n, R^2 , q, X, Y, Z, R^4 , R^5 , R^6 , R^7 , R^8 , t and R^9 are as defined in formula (I), with a compound of formula

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$$L^{1} \longrightarrow R^{10}$$

wherein L^1 represents a leaving group and R^{10} is as defined in formula (I); or (d) when R^3 represents -C(O)NR¹¹R¹², reacting a compound of formula

$$X-Y$$
 $(CH_2)_q$
 HO
 R^4
 R^6
 R^6
 $C(O)L^2$
 $(R^1)_m$

wherein L² represents a leaving group and m, R¹, n, R², q, X, Y, Z, R⁴, R⁵, R⁶, R⁷, R⁸, t and R⁹ are as defined in formula (I), with a compound of formula (IX), NHR¹¹R¹², wherein R¹¹ and R¹² are as defined in formula (I); or

(e) when R³ represents -NHC(O)R¹⁰, R¹⁰ represents -NR¹⁴R¹⁵ and R¹⁴ and R¹⁵ both represent hydrogen, reacting a compound of formula (VI) as defined in (c) above with potassium cyanate;

and optionally after (a), (b), (c), (d) or (e) forming a pharmaceutically acceptable salt or solvate.

- 9. A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in association with a pharmaceutically acceptable adjuvant, diluent or carrier.
 - 10. A process for the preparation of a pharmaceutical composition as claimed in claim 9 which comprises mixing a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 with a pharmaceutically acceptable adjuvant, diluent or carrier.

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- 11. A compound of formula (I) or a pharmaceutically-acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 for use in therapy.
- 12. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate
 thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for the
 treatment of human diseases or conditions in which modulation of chemokine receptor
 activity is beneficial.
- 13. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate
 thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use
 in treating rheumatoid arthritis.
 - 14. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating chronic obstructive pulmonary disease.
 - 15. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating asthma.
 - 16. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating multiple sclerosis.
- 17. A method of treating an inflammatory disease which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7.
- 18. A method of treating an airways disease which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7.